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State of Utah
DEPARTMENT OF NATURAL RESOURCES
Division of Oil, Gas & Mining

MICHAEL R. STYLER
Executive Director

JOHN R. BAZA
Division Director

Inspection Report

Supervisor 1027

Minerals Regulatory Program

Date of Report: May 23, 2007

Mine Name: Neal State

Operator Name: Ziegler Chemical and Mineral

Permit number: S0470063

Inspection Date: April 20, 2007

Time: 11:10-11:40 AM

Inspector(s): Paul Baker and Daron Haddock

Other Participants: Duane Boren

Mine Status: Active

Weather: Mostly clear, 50s

Elements of Inspection

	Evaluated	Comment	Enforcement
1. Permits, Revisions, Transfer, Bonds	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. Public Safety (shafts, adits, trash, signs, highwalls)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Protection of Drainages / Erosion Control	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Deleterious Material	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Roads (maintenance, surfacing, dust control, safety)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. Concurrent Reclamation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. Backfilling/Grading (trenches, pits, roads, highwalls, shafts, drill holes)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. Water Impoundments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9. Soils	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
10. Revegetation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11. Air Quality	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12. Other	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Purpose of Inspection:

I had not previously seen the Neal #1 Mine and wanted to know what disturbance was at this site and whether it would affect the reclamation surety.

Inspection Summary:

1. Permits, Revisions, Transfer, Bonds

On March 21, 2007, the Division received a map showing the location of the Neal State #1 Mine in relation to the #2 and #3 Mines. The Division requested this map as part of an amendment to the Notice of Intention (NOI), but the acreage figure in the NOI needs to be updated. It currently shows 2.7 acres, but the Division has measure the disturbances at just the #2 and #3 Mines as 3.14 acres. The reclamation surety, however, lists the disturbance as 4.8 acres.

9. Soils

In the report for the previous inspection, I mentioned that the operator needs to ensure that soils are salvaged. We discussed this issue. There is very limited soil, and the operator has salvaged some material.

12. Other

The area of the Neal #1 Mine is shown in Photos 1 and 2. The area has been reclaimed except that it needs to be revegetated.

The operator has opened two new small, shallow shafts to the southeast of the ore bin, and there is a similar shaft to the northwest of the bin (Photos 5 and 6). (I believe the previous report said this shaft was to the *southwest*.) I do not believe other aspects of the mine have changed.

Conclusions and Recommendations:

Once the Division has an accurate figure for disturbed area acreage, it will need to determine whether the current reclamation surety is adequate.

Inspector's Signature  Date: 6/4/07

PBB:pb

cc: Duane Boren, Ziegler

John Blake, SITLA

Attachment: Photos

P:\GROUPS\MINERALS\WPM047-Uintah\S0470063-NealState\inspections\ins-04202007.doc

ATTACHMENT

Photographs

S0470063, Neal State Mine, Ziegler Chemical and Mineral

Inspection Dated: April 20, 2007; Report Dated: May 23, 2007



Photo 1. This and Photo 2 show portions of the disturbed area at the Neal #1 Mine.



Photo 2. Another view of the Neal #1 Mine.



Photo 3. One of the new shafts at the Neal #3 Mine.



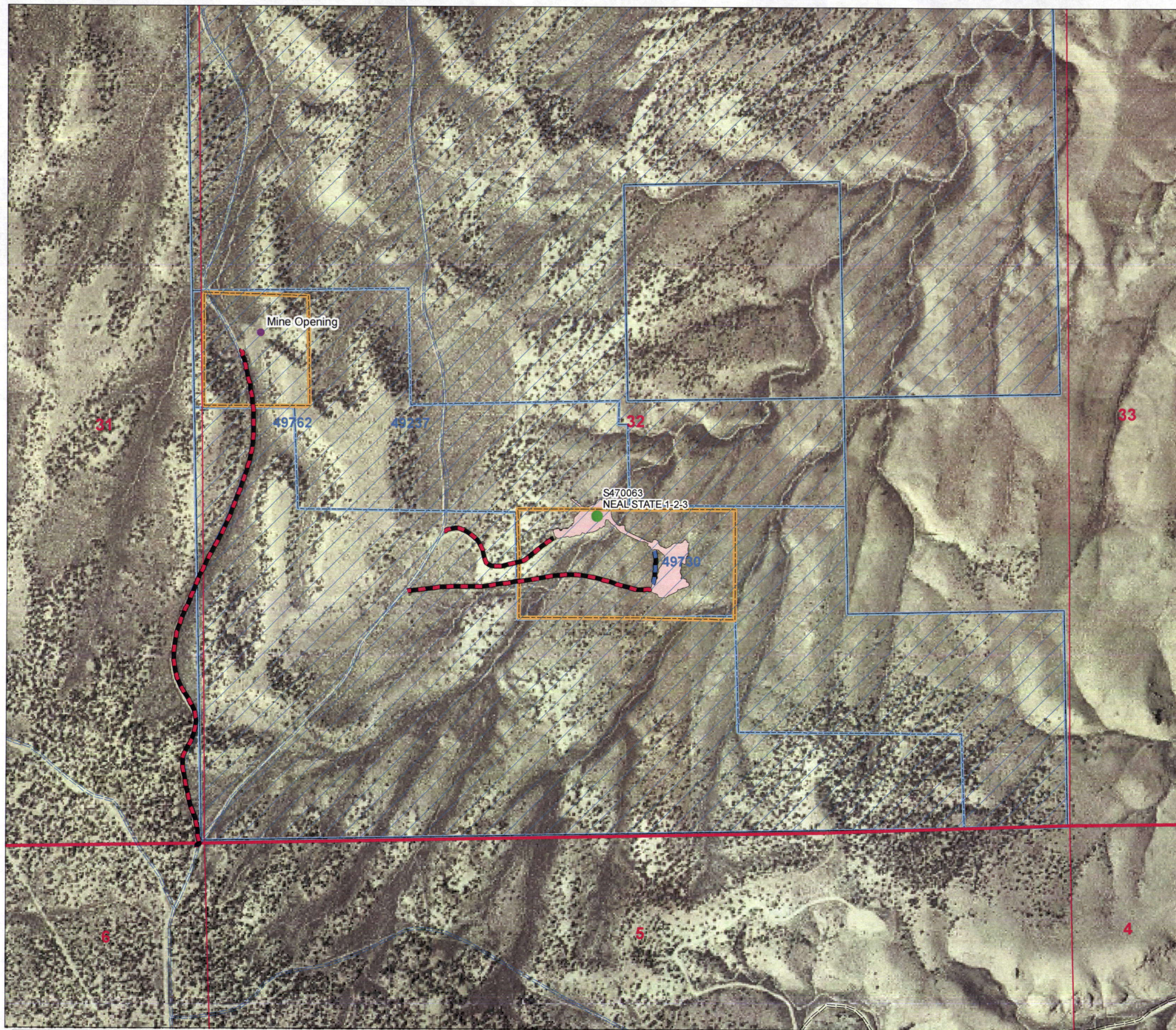
Photo 4. The two new shafts in relation to the ore bin.



Photo 5. The shaft to the northwest of the ore bin. On the left in the background is the headframe for the Neal #2 Mine.



Photo 6. The ore bin and some of the other facilities at the Neal #3 Mine.



Mine Number: S0470063
Mine Name: Neal Slate 1, 2 and 3
Township 11 S Range 24 E Section 32 SLBM

Inspection Date Apr. 20, 2007
Map Produced by DKS

Acres Disturbed	2.34
Acres Regraded	0
Acres Seeded	0
Road Acres Disturbed	0.05

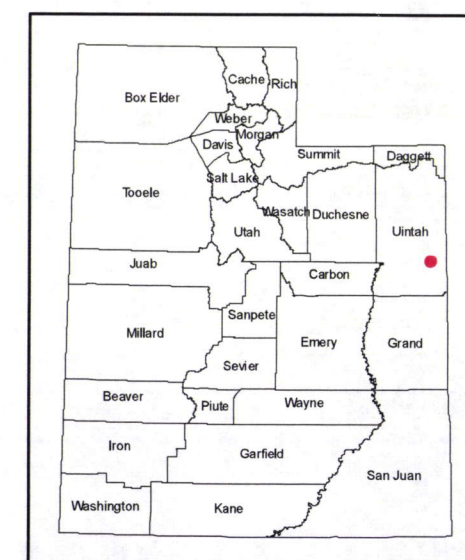
Total Acres Disturbed	2.39
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Acres Reclaimed	0
Acres Excluded	0
Acres Prelaw	0

Legend
All items symbolized in legend may not be appear on map

- Access
- Mine
- NonMine
- Other
- County Boundary
- Interstate
- US Route
- State Route
- Primary Route
- Secondary Route
- Main Dirt Road
- Unimproved Road
- Interchange
- Trail
- Township or range Line
- Township or range line: location doubtful
- Section line
- Section line: location doubtful

DOQ imagery date 2004



0 625

Feet

1:7,500 1 inch equals 625 feet

Verify Scale

Dept. of Natural Resources
Division of Oil, Gas, and Mining
Mineral Mines Program

Different data sources and input scales
may cause misalignment of data layers.
This product may not meet DOGM
standards for accuracy and content.